

INTERNATIONAL SEARCH REPORT

International Application No

PCT/FI2004/000678

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 B01L3/00 G01N1/28 F16K11/08 B01D29/66

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 B01L G01N F16K B01D A61B A61M

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 02/04921 A2 (COULTER INTERNATIONAL CORP) 17 January 2002 (2002-01-17)	1-13,17
A	page 11, line 1 - page 23, line 24; figures 1-4; example 8	14-16,18
X	US 6 106 483 A (GUIRGUIS ET AL) 22 August 2000 (2000-08-22) column 2, line 65 - column 4, line 15 column 8, line 32 - column 10, line 8; figures 7-12	1-13,17
X	US 4 581 014 A (MILLERD ET AL) 8 April 1986 (1986-04-08) column 9, line 36 - column 12, line 52; figures 9-18	14,16

☐ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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Date of the actual completion of the international search

28 January 2005

Date of mailing of the international search report

24/02/2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax (+31-70) 340-3016

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Tiede, R

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/FI2004/000678

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 0204921	A2	17-01-2002	US 6692702 B1 17-02-2004
		EP 1299705 A2 09-04-2003	
		JP 2004503745 T 05-02-2004	
		US 2004132208 A1 08-07-2004	
		US 2004132198 A1 08-07-2004	
		US 2002123154 A1 05-09-2002	
US 6106483	A	22-08-2000	US 5139031 A 18-08-1992
		US 5042502 A 27-08-1991	
		US 4953561 A 04-09-1990	
		US 5024238 A 18-06-1991	
		US 4961432 A 09-10-1990	
		US 5429803 A 04-07-1995	
		US 6423237 B1 23-07-2002	
		US 6309362 B1 30-10-2001	
		AU 1778992 A 02-11-1992	
		CA 2084778 A1 09-10-1992	
		EP 0533912 A1 31-03-1993	
		JP 3179785 B2 25-06-2001	
		JP 6500403 T 13-01-1994	
		WO 9217110 A1 15-10-1992	
		US 5471994 A 05-12-1995	
		US 5301685 A 12-04-1994	
		AU 8046791 A 23-01-1992	
		CA 2046833 A1 19-01-1992	
		EP 0468672 A1 29-01-1992	
		JP 6308126 A 04-11-1994	
		US 5224489 A 06-07-1993	
		AU 642904 B2 04-11-1993	
		AU 6300690 A 28-03-1991	
		CA 2025261 A1 23-03-1991	
		EP 0425093 A2 02-05-1991	
		JP 3131760 A 05-06-1991	
		AT 119071 T 15-03-1995	
		AU 644096 B2 02-12-1993	
		AU 6252290 A 21-03-1991	
		DE 69017334 D1 06-04-1995	
		DE 69017334 T2 29-06-1995	
		EP 0419168 A2 27-03-1991	
		ES 2072399 T3 16-07-1995	
		JP 3170060 A 23-07-1991	
		US 5016644 A 21-05-1991	
		US 5022411 A 11-06-1991	
		US 5137031 A 11-08-1992	
		AT 158706 T 15-10-1997	
		AU 630653 B2 05-11-1992	
		AU 4789590 A 19-07-1990	
		CA 1335787 C 06-06-1995	
		DE 69031507 D1 06-11-1997	
		DE 69031507 T2 19-03-1998	
		EP 0378353 A2 18-07-1990	
		EP 0737443 A2 16-10-1996	
		JP 3012262 B2 21-02-2000	
		JP 3197864 A 29-08-1991	
		US 5024237 A 18-06-1991	
		US 4960130 A 02-10-1990	
		US 5038793 A 13-08-1991	

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INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/FI2004/000678

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 4581014	A	08-04-1986	AU 562433 B2	11-06-1987
			AU 4286885 A	27-11-1986
			CA 1236360 A1	10-05-1988
			DE 3563685 D1	18-08-1988
			EP 0163387 A1	04-12-1985
			JP 61011055 A	18-01-1986
			SE 454747 B	30-05-1988
			SE 8502592 A	25-11-1986

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